



**CITY OF AUSTIN
STANDARD PRODUCTS LIST
for
DUCTILE IRON FITTINGS**

USING DEPARTMENT: Austin Water

PREPARED BY: Bill Flynn, P.E.

ISSUED: 10/01/87

REVISED BY: Jeff A. Kyle, P.E.

REVISED: 10/01/24


DESCRIPTION:

Ductile Iron Fittings complying with AWWA C110. All fittings shall have markings cast on the body as required by AWWA C110. All fittings shall be asphalt coated or zinc/asphalt coated and cement-mortar lined complying with AWWA C104. Alternately, the fittings may be fusion-bonded epoxy lined and coated according to AWWA C116. Fusion-bonded epoxy must be red and shall comply with requirements of NSF 61. (See SPL WW-27A for Joint Restraint Devices, SPL WW-27B for Compact Ductile Iron Fittings and Fitting Weight Schedule complying with AWWA C153, or SPL WW-27F for Restrained Joint Ductile Iron Pipe and Fittings.) Wastewater fittings shall be lined with approved corrosion resistant material (see SPL WW-534). Lining to be used shall be shown on submittal, with type, brand, and lot number marked on each fitting. No more than one type or brand of lining shall be used for any project. These fittings are not to be used for gravity flow wastewater applications except when in the opinion of the Engineer the strength of DI makes its use appropriate; it may be used only if specifically shown on approved engineering drawings.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
07/01/98	AMERICAN CAST IRON PIPE CO. P.O. Box 2727 Birmingham, AL 35202	See Notes	W. Flynn
07/01/98	U.S. PIPE & FOUNDRY CO. P.O. Box 10406 Birmingham, AL 35202	See Notes	W. Flynn
07/01/98	TYLER UNION/DIVISION OF McWANE P.O. Box 309 Anniston, AL 36202	See Notes	W. Flynn
04/01/04	C-1 FOUNDRY (CHINA), WFD, EC, SC, JX, XD, HD, EC, FOUNDRIES (INDIA), HJ FOUNDRIES (KOREA) STAR PIPE PRODUCTS 4018 Westhollow Pkwy. Houston, TX 77082	See Notes	R. Lamb
01/01/12	US PIPE/METALFIT (Mexico) METALFIT 5583 Snowflake Way Parker, CO 80134	Fittings Only (Flanged) See Notes	R. Lamb
07/01/13	SHANXI YUANSHEG (China) ACCUCAST 415 S. 21 st Ave. Waco, TX 76706	Fittings Only (Flanged) See Notes	R. Lamb



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10/01/13	CALCUTTA SPRINGS FOUNDRY (India), XYF FOUNDRY (China), HIMGIRI CASTINGS FOUNDRY (India) SIGMA 5000 Askins Lane Houston, TX 77346	See Notes	R. Lamb J. Kyle
01/01/17	XINYUAN PIPE FITTINGS CO. (China) SERAMPORE (SIP) INDUSTRIES 2900 Patio Drive Houston, TX 77017	See Notes	J. Kyle
01/01/23	ELECTROSTEEL USA 1101 Louisville Rd. Savannah, GA 31415	Fittings Only (Flanged)  See Notes	J. Kyle

NOTES:

- Materials shall meet applicable specification requirements. Acceptable sizes for potable and reclaimed waterline fittings are 4", 6", 8", 12", 16", 24", 30" and multiples of 6" in larger sizes. 14", 18" and 20" are acceptable for repair only. Sizes for wastewater force mains shall be determined based on specific project requirements.
- For fittings using an asphaltic liner seal coat, submittal shall include results of independent laboratory testing showing that seal coating on fitting liner meets test requirements of Section 5.2 of AWWA Standard C104, and is in compliance with Section 4.12 of that Standard.
- Fitting manufacturer shall certify that the lining will withstand, without damage, high pressure jet washing that is used to flush lines prior to CCTV inspection and as required for normal maintenance purposes.
- For fittings larger than 24" diameter, manufacturer must provide one of the following with PROJECT submittal: a) evidence of current ISO registration, b) evidence of current Austin Water-approved quality control program, or c) evidence of current Austin Water-approved independent, third party firm that will test and inspect fittings produced for City of Austin, as per Standard Specification Item 510.
- Zinc coating for DI fittings will be considered on a case by case basis and only as approved by AW. When used, fittings shall be identified as "Zinc Coated" (or similar), and zinc coating shall be applied as a base layer under an asphaltic seal coat that complies with AWWA C104. The use of polywrap is required with zinc coated fittings.

LATEST REVISIONS (since 07/01/23):

- Removed requirement to use asphaltic liner seal coat (now optional).